

**● PRINTER RUSH ●**  
**(PTO ASSISTANCE)**

Application : 10/687544

Examiner : Palmer

GAU :

2874

From: CA

Location: IDC FMF FDC

Date: 5/18/05

Tracking #: 06088404

Week Date: 3/21/05

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449	_____	<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS	_____	<input type="checkbox"/> Foreign Priority
<input checked="" type="checkbox"/> CLM	<u>10/16/05</u>	<input type="checkbox"/> Document Legibility
<input type="checkbox"/> IIFW	_____	<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW	_____	<input type="checkbox"/> Other
<input type="checkbox"/> DRW	_____	
<input type="checkbox"/> OATH	_____	
<input type="checkbox"/> 312	_____	
<input type="checkbox"/> SPEC	_____	

[RUSH] MESSAGE: Claim 7 ends with a Semicolon not a period.

Please Resub.

Thank you

(2)

[XRUSH] RESPONSE: <u>Corr'd</u>	
<u>see copy attached</u>	
INITIALS: <u>EP</u>	

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH. POC 9005/23  
REV 10/04

10/687,544

a first optical fiber segment optically coupling a first of the plurality of first optical fibers in the first cable to a first of the plurality of first optical fibers in the second cable;

a second optical fiber segment optically coupling a second of the plurality of first optical fibers in the first cable to a second of the plurality of first optical fibers in the second cable;

a first add/drop element located along the first optical fiber segment for dropping traffic at one or more selected wavelengths to the drop optical fiber of the third cable;

a second add/drop element located along the second optical fiber segment for adding traffic at one or more selected wavelengths to the add optical fiber of the third cable;

a first optical amplifier receiving the traffic from the first add/drop element and providing optical gain thereto;

a second optical amplifier receiving the traffic from the add optical fiber of the third cable and providing optical gain thereto

at least one electrically conductive path for supplying electrical energy from at least one of the electrical power conductors to each of the optical amplifiers.

7. The branching unit of claim 6 wherein the third cable includes a plurality of drop optical fibers and a plurality of add optical fibers and further comprising:

a third add/drop element located along the first optical fiber segment for adding traffic at one or more selected wavelengths from one of the plurality of add optical fibers to the first optical fiber segment;

a fourth add/drop element located along the second optical fiber segment for dropping traffic at one or more selected wavelengths to one of the drop optical fibers of the third cable. <sup>10</sup>

8. The branching unit of claim 7 further comprising

a third optical amplifier receiving the traffic from one of the plurality of add optical fibers and providing gain to the traffic directed to the third add/drop element;